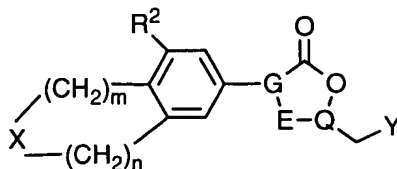


**LISTING OF CLAIMS****CLAIMS**

We claim:

1. (Currently amended): A compound of formula I



I

or a pharmaceutically acceptable salt thereof wherein

Y is

- a)  $\text{-NHC(=W)R}^1$ ,
- b)  $\text{-O-het}$ ,  $\text{-S-het}$ , or  $\text{-NH-het}$ ;

X is

- a)  $\text{-NR}^3\text{-}$ ,
- a)  $\text{-O-}$ ,
- b)  $\text{-S(=O)}_i\text{-}$ , or
- c)  $\text{-S(=O)(=NR}^4\text{)-}$ ;

W is

- a) O, or
- b) S;

R<sup>1</sup> is

- a) H,
- b) C<sub>1-8</sub>alkyl,
- c) C<sub>3-6</sub>cycloalkyl,
- d) OC<sub>1-4</sub> alkyl,
- e) SC<sub>1-4</sub> alkyl,

- f)  $\text{NH}_2$ ,
- g)  $\text{NHC}_{1-6}$  alkyl, or
- h)  $\text{N}(\text{C}_{1-6} \text{ alkyl})_2$ ;

$\text{R}^2$  is

- a) H,
- b) halo, or
- c)  $\text{C}_{1-4}$  alkyl;

$\text{R}^3$  is

- a) H,
- b)  $\text{C}_{1-8}$ alkyl,
- c) aryl,
- d) het,
- e)  $\text{C}(=\text{W})\text{R}^5$ ,
- f)  $\text{C}(=\text{O})\text{OR}^6$ , or
- g)  $\text{S}(=\text{O})_i\text{R}^7$ ;

$\text{R}^4$  is

- a) H, or
- b)  $\text{C}_{1-8}$ alkyl;

$\text{R}^5$  is

- a) H,
- b) aryl,
- c) het,
- d)  $\text{NR}^8\text{R}^9$ , or
- e)  $\text{C}_{1-8}$ alkyl;

$\text{R}^6$  is

- a)  $\text{C}_{1-8}$ alkyl,
- b) aryl, or
- c) het;

$\text{R}^7$  is

- a) aryl,

- b) het,
- c)  $\text{NR}^8\text{R}^9$ , or
- d)  $\text{C}_{1-8}\text{alkyl}$ ;

$\text{R}^8$  and  $\text{R}^9$  are independently

- a) H,
- b)  $\text{C}_{1-8}\text{alkyl}$ , or
- c) aryl;

wherein  $>\text{G-E}$  is  $>\text{C}=\text{C}-$  and Q is a nitrogen atom;

aryl is a phenyl radical or an ortho-fused bicyclic carbocyclic radical wherein at least one ring is aromatic;

het is a C-linked five- (5) or six- (6) membered saturated or unsaturated heterocyclic ring having 1, 2, or 3 heteroatoms selected from the group consisting of oxygen, sulfur, and nitrogen, which is optionally fused to a benzene ring;

at each occurrence, alkyl or cycloalkyl is optionally substituted with one or more  $\text{OR}^8$ , halo, aryl,  $\text{S}(=\text{O})_i\text{R}^7$ ,  $\text{C}(=\text{W})\text{R}^8$ ,  $\text{OC}(=\text{O})\text{C}_{1-6}\text{alkyl}$ , or  $\text{NR}^8\text{R}^9$ ;

at each occurrence, aryl is optionally substituted with one or more halo, OH,  $\text{CF}_3$ ,  $\text{OC}_{1-6}\text{alkyl}$ , CN,  $\text{C}_{1-6}\text{alkyl}$ ,  $\text{S}(=\text{O})_i\text{R}^7$ ,  $\text{C}(=\text{W})\text{R}^8$ ,  $\text{OC}(=\text{O})\text{R}^8$ ,  $\text{NHC}(=\text{O})\text{R}^8$ , or  $\text{NR}^8\text{R}^9$ ;

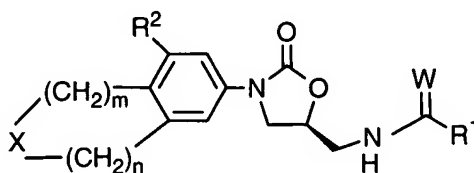
at each occurrence, het is optionally substituted with one or more halo, OH,  $\text{CF}_3$ ,  $\text{OC}_{1-6}\text{alkyl}$ , CN,  $\text{C}_{1-6}\text{alkyl}$ ,  $\text{S}(=\text{O})_i\text{R}^7$ ,  $\text{C}(=\text{W})\text{R}^8$ ,  $\text{OC}(=\text{O})\text{R}^8$ ,  $\text{NHC}(=\text{O})\text{R}^8$ , or  $\text{NR}^8\text{R}^9$ , oxo, or oxime;

m is 0, 1, 3, or 4;

n is 0, 1, 3, or 4; with the proviso that m and n taken together are 3 or 4; if m is 2 n is not 2, and if n is 2 m is not 2; and

i is 0, 1, or 2.

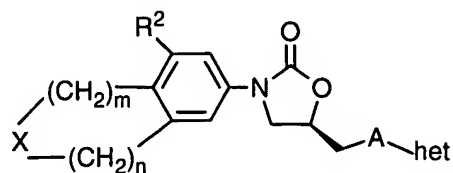
2. (original): A compound of claim 1 which is a compound of formula IA:



IA.

3. (original): A compound of claim 2 wherein  $R^2$  is H.
4. (original): A compound of claim 2 wherein  $R^1$  is  $C_{1-6}$ alkyl.
5. (original): A compound of claim 2 wherein  $R^1$  is methyl.
6. (original): A compound of claim 4 wherein  $R^3$  is  $C(=O)R^5$ , or  $C(=O)OR^5$ .
7. (original): A compound of claim 4 wherein  $R^3$  is  $C(=O)CH_2OH$ .
8. (original): A compound of claim 4 wherein  $R^3$  is CHO.
9. (original): A compound of claim 4 wherein  $R^5$  is  $C_{1-4}$ alkyl, optionally substituted with  $C(=O)C_{1-4}$ alkyl,  $OC(=O)C_{1-4}$ alkyl,  $C(=O)$ phenyl, or phenyl, wherein said phenyl is optionally substituted with I, or  $CF_3$ .
10. (original): A compound of claim 4 wherein  $R^5$  is phenyl.
11. (original): A compound of claim 4 wherein  $R^3$  is  $C(=S)R^5$ , wherein  $R^5$  is aryl, alkyl or  $NR^8R^9$ , wherein  $R^8$  and  $R^9$  are independently H,  $C_{1-4}$ alkyl or aryl.
12. (original): A compound of claim 4 wherein  $R^3$  is  $S(=O)_iC_{1-4}$ alkyl,
13. (original): A compound of claim 4 wherein  $R^3$  is H,  $C_{1-8}$ alkyl, or aryl, .
14. (original): A compound of claim 4 or 6 wherein m is 1 and n is 3.
15. (original): A compound of claim 4 or 6 wherein m is 0 and n is 4.

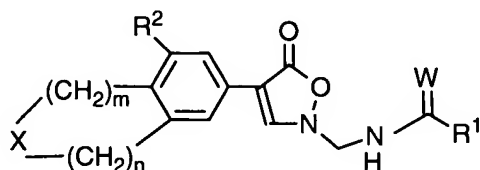
16. (original): A compound of claim 4 or 6 wherein m is 1 and n is 2.
17. (original): A compound of claim 4 or 6 wherein m is 2 and n is 1.
18. (original): A compound of claim 1 which is a compound of formula IB:



IB

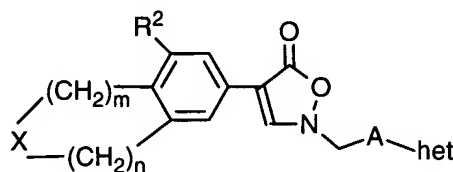
wherein A is O, S or NH and het is isoxazol-3-yl, isoxazol-5-yl, 1,2,4-oxadiazol-3-yl, isothiazol-3-yl, 1,2,4-thiadiazol-3-yl or 1,2,5-thiadiazol-3-yl.

19. (original): A compound of claim 1 which is a compound of formula IC:



IC.

20. (original): A compound of claim 1 which is a compound of formula ID

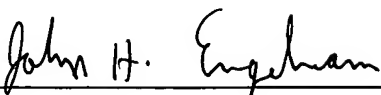


ID

wherein A is O, S or NH and het is isoxazol-3-yl, isoxazol-5-yl, 1,2,4-oxadiazol-3-yl, isothiazol-3-yl, 1,2,4-thiadiazol-3-yl or 1,2,5-thiadiazol-3-yl.

21. (original): A method for treating microbial infections comprising: administering to a mammal in need thereof an effective amount of a compound of claim 1.
22. (original): The method of claim 21 wherein said compound is administered orally, parenterally, transdermally, or topically.
23. (original): The method of claim 21 wherein said compound is administered in an amount of from about 0.1 to about 150 mg/kg of body weight/day.
24. (original): The method of claim 21 wherein said compound is administered in an amount of from about 3 to about 100 mg/kg of body weight/day.
25. (original): The method of claim 21 wherein said infection is skin infection.
26. (original): The method of claim 21 wherein the infection is eye infection.
27. (original): A pharmaceutical composition comprising the compound of claim 1 and a pharmaceutically acceptable carrier.
28. (original): The method of claim 21 wherein said compound is administered in an amount of 600mg per day by IV or by oral.
29. (original): The method of claim 21 wherein said mammal is human.

Respectfully submitted,



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